WHAT IS CLAIMED IS:

1	1.	A method co	omprising:
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- determining if a device emits electromagnetic interference (EMI) in one or
 more regions of an electromagnetic spectrum occupied by other
 users; and

 if it is determined that the device emits EMI in one or more regions of the
 electromagnetic spectrum occupied by other users:
- increasing the EMI in one or more other regions of the
 electromagnetic spectrum that are unoccupied by the other
 users.

reducing the EMI in the one or more regions; and

- The method of claim 1, wherein said reducing the EMI in the one or more regions comprises removing the EMI from the one or more regions.
- The method of claim 1, wherein said method comprises determining if the
 device unintentionally emits EMI in one or more regions of an
 electromagnetic spectrum occupied by other users, and comprises
 reducing the EMI in the one or more regions, and increasing the EMI in
 one or more other regions if it is determined that the device unintentionally

- emits EMI in one or more regions of an electromagnetic spectrum occupied by other users.
- The method of claim 3, wherein the device unintentionally emits EMI in one or more regions of a radio frequency spectrum occupied by licensed users, and said increasing the EMI results in increasing the EMI in one or more other regions of the radio frequency spectrum that are unoccupied by the licensed users.
- The method of claim 1, wherein said determining if the device emits EMI in one or more regions of the electromagnetic spectrum occupied by other users comprises:
- determining a presence of other users at the device's location; and

 determining the one or more regions of the electromagnetic spectrum

 occupied by the other users at the location.
- 1 6. The method of claim 5, wherein said determining the presence of other users at the device's location comprises:
- 3 determining a location of the device; and
- 4 accessing a database of users at the location.

1	7.	The method of claim 5, wherein said determining the presence of other
2		users at the device's location comprises listening for the presence of other
3		users.
1	8.	The method of claim 5, wherein said determining the presence of other
2		users at the location comprises determining the presence of other users
3		licensed at the location.
1	9.	A method comprising:
2		determining if a device emits electromagnetic interference (EMI) in the
3		presence of other users in an electromagnetic spectrum; and
4		if it is determined that the device emits EMI in the presence of other users
5		in the electromagnetic spectrum;
6		determining if the device's current location is the same as the
7		device's previous location; and
8		if the current location is the same as the previous location:
9		reducing the EMI in one or more regions of the
10		electromagnetic spectrum occupied by the other
11		users; and

12		increasing the EMI in one or more other regions of the
13		electromagnetic spectrum unoccupied by the other
14		users.
1	10.	The method of claim 9, additionally comprising if the current location is not
2		the same as the previous location:
3		determining one or more regions of the electromagnetic occupied by the
4		other users;
5		reducing the EMI in the one or more regions; and
6		increasing the EMI in one or more other regions of the electromagnetic
7		spectrum unoccupied by the other users.
1	11.	The method of claim 9, wherein said method comprises determining if the
2		device unintentionally emits EMI in the electromagnetic spectrum.
1	12.	The method of claim 11, wherein the device unintentionally emits EMI in
2		the presence of licensed users in a radio frequency spectrum, and said
3		increasing the EMI results in increasing the EMI in one or more other
4		regions of the radio frequency spectrum that are unoccupied by the
5		licensed users.
1	13.	A method comprising:
2		determining if a device emits electromagnetic interference (EMI) in
3		unacceptable levels in one or more regions of an electromagnetic

4		spectrum; and
5		if it is determined that a device emits electromagnetic interference (EMI) in
6		unacceptable levels in one or more regions of an electromagnetic
7		spectrum:
8		reducing the EMI in the one or more regions; and
9		increasing the EMI in one or more other regions of the
10		electromagnetic spectrum unoccupied by the other users.
1	14.	The method of claim 13, wherein the device is a non-communications
2		device.
1	15.	The method of claim 13, wherein the electromagnetic spectrum comprises
2		a radio frequency spectrum.
1	16.	An apparatus comprising:
2		circuitry capable of determining if a device emits electromagnetic
3		interference (EMI) in one or more regions of an electromagnetic
4		spectrum occupied by other users; and
5		if it is determined that the device emits EMI in the one or more regions of
6		an electromagnetic spectrum occupied by other users, the circuitry
7		additionally capable of:
8		reducing the EMI in the one or more regions; and
9		increasing the EMI in one or more other regions of the

- electromagnetic spectrum unoccupied by the other users.
- 1 17. The apparatus of claim 16, wherein said circuitry is additionally capable of removing the EMI from the one or more regions.
- 1 18. The apparatus of claim 16, wherein said circuitry is additionally capable of
 2 determining if the device unintentionally emits EMI in one or more regions
 3 of an electromagnetic spectrum occupied by other users, and of reducing
 4 the EMI in the one or more regions, and increasing the EMI in one or more
 5 other regions if the circuitry determines that the device unintentionally
 6 emits EMI in one or more regions of an electromagnetic spectrum
 7 occupied by other users.
- 1 19. The apparatus of claim 18, wherein the device unintentionally emits EMI in one or more regions of a radio frequency spectrum occupied by licensed users, and said circuitry is additionally capable of increasing the EMI in one or more other regions of the radio frequency spectrum unoccupied by the licensed users.
- The apparatus of claim 16, wherein said circuitry is additionally capable of:

 determining a presence of other users at the device's location; and

 determining the one or more regions of the electromagnetic spectrum

 occupied by the other users at the location.
- 1 21. The apparatus of claim 20, wherein said circuitry is additionally capable of:

2		determining a location of the device; and
3		accessing a database of users at the location.
1	22.	A system comprising:
2		a communications device to emit EMI; and
3		circuitry capable of:
4		determining if the communications device emits electromagnetic
5		interference (EMI) in one or more regions of an
6		electromagnetic spectrum occupied by other users; and
7		if it is determined that the communications device emits EMI in the
8		one or more regions of an electromagnetic spectrum
9		occupied by other users:

increasing the EMI in one or more other regions of the
electromagnetic spectrum unoccupied by the other
users.

reducing the EMI in the one or more regions; and

- 1 23. The system of claim 22, wherein said circuitry is additionally capable of removing the EMI from the one or more regions.
- The system of claim 22, wherein said circuitry is additionally capable of
 determining if the communications device unintentionally emits EMI in one
 or more regions of an electromagnetic spectrum occupied by other users,

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4	and of reducing the EMI in the one or more regions, and increasing the
5	EMI in one or more other regions if the circuitry determines that the
6	communications device unintentionally emits EMI in one or more regions
7	of an electromagnetic spectrum occupied by other users.

- The system of claim 24, wherein the communications device
 unintentionally emits EMI in one or more regions of a radio frequency
 spectrum occupied by licensed users, and said circuitry is additionally
 capable of increasing the EMI in one or more other regions of the radio
 frequency spectrum that are unoccupied by the licensed users.
- The system of claim 22, wherein said circuitry is additionally capable of:

 determining a presence of other users at the device's location; and

 determining the one or more regions of the electromagnetic spectrum

 occupied by the other users at the location
- 27. A machine-readable medium having stored thereon instructions, the instructions when executed by a machine, result in the following:
- determining if a device emits electromagnetic interference (EMI) in one or

 more regions of an electromagnetic spectrum occupied by other

 users; and
- if it is determined that the device emits EMI in one or more regions of the electromagnetic spectrum occupied by other users:
- 8 reducing the EMI in the one or more regions; and

9	increasing the EMI in one or more other regions of the
10	electromagnetic spectrum that are unoccupied by the other
11	users.

- 28. 1 The machine-readable medium of claim 27, wherein the instructions, when 2 executed by a machine, that result in reducing the EMI in the one or more 3 regions additionally result in removing the EMI from the one or more 4 regions.
 - 29. The machine-readable medium of claim 27, wherein the instructions, when executed by a machine, that result in determining if the device emits EMI additionally result in determining if the device unintentionally emits EMI in one or more regions of an electromagnetic spectrum occupied by other users, and in reducing the EMI in the one or more regions, and increasing the EMI in one or more other regions if it is determined that the device unintentionally emits EMI in one or more regions of an electromagnetic spectrum occupied by other users.
- 1 30. The machine-readable medium of claim 29, wherein the device 2 unintentionally emits EMI in one or more regions of a radio frequency 3 spectrum occupied by licensed users, and wherein the instructions, when 4 executed by a machine, that result in increasing the EMI additionally result 5 in increasing the EMI in one or more other regions of the radio frequency 6 spectrum that are unoccupied by the licensed users.

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